12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240805002.0**
**Datasheet for DDC3256**
**Information Only**

**Date:** August 06, 2024
**To:** MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services

**20240805002.0**
**Information Only Datasheet**
**Attachments**

## Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records**,** you have recently purchased these devices**.** The corresponding customer part number is also listed, if available.

| DEVICE | CUSTOMER PART NUMBER |
|---|---|
| DDC3256ZWX | NULL |

Technical details of this Product Change follow on the next page(s).

| PCN Number: | 20240805002.0 | PCN Date: | August 06, 2024 |
|---|---|---|---|
| Title: | Datasheet for DDC3256 | | |
| Customer Contact: | Change Management team | Dept: | Quality Services |
| Change Type: | Electrical Specification | | |

## PCN Details

**Description of Change:**

Texas Instruments Incorporated is announcing an information only notification.
The product datasheet(s) is being updated as summarized below.
The following change history provides further details.

TEXAS INSTRUMENTS

DDC3256
SLASF05B – JUNE 2023 – REVISED OCTOBER 2023

**Changes from Revision A (July 2023) to Revision B (October 2023)** **Page**

- Changed the minimum storage temperature value from 0°C to –40°C in the Absolute Maximum Ratings table 6
- Changed the maximum storage temperature value from 85°C to 150°C in the Absolute Maximum Ratings table 6
- Changed the minimum external reference input voltage limit from 1.249 V to 1.24 V in the Recommended Operating Conditions table 6
- Changed the maximum external reference input voltage limit from 1.251 V to 1.26 V in the Recommended Operating Conditions table 6
- Changed the name of register bits in 0Fh register address 48
- Changed the name of register bits in 10h register address 48
- Changed the name of register bits in 11h register address 48
- Changed the name of register bits in 12h register address 48
- Changed the name of register bits in 13h register address 48
- Changed the name of register bits in 14h register address 48
- Changed the name of register bits in 15h register address 48
- Changed the name of register bits in 16h register address 48
- Changed the name of register bits in 17h register address 48
- Changed the name of register bits in 18h register address 48
- Changed the name of register bits in 19h register address 48
- Changed the name of register bits in 69h register address 48
- Changed the name of register bits in 6Ah register address 48
- Changed the name of register bits in 6Bh register address 48
- Changed the name of register bits in 6Ch register address 48

**Changes from Revision * (June 2023) to Revision A (July 2023)** **Page**

- Added a table note to the Pin Functions table 4
- Changed the BALLS header to PINS in the Thermal Information table 6
- Changed the noise units from fC to fCrms in the Electrical Characteristics table 7
- Added temperature sensor parameter in the Electrical Characteristics table 7
- Changed the typical power supply current value from: 167 mA to: 170 mA in the Electrical Characteristics table 7
- Added the maximum typical power supply current value: 185 mA in the Electrical Characteristics table 7
- Added the power supply current before TRIM LOAD parameter in the Electrical Characteristics table 7
- Changed footnote to the CONV to DOUT delay parameter in the Timing Requirements table 9
- Added footnote to the DOUT valid to DCLK toggle parameter in the Timing Requirements table 9
- Changed *Typical Characteristics* section 13
- Changed *Temperature Readout* section 20
- Changed *MCLK Selection* section 21
- Added note in the *CONV and MCLK Timing Constraints* section 22
- Added the 0x8E and 0x88 rows in *Default Register Settings* table 34
- Added a sentence before the note in *Calibration Flow* section 36
- Changed *Application Curves* section 44

The datasheet number will be changing.

| Device Family | Change From: | Change To: |
|---|---|---|
| DDC3256 | SLASF05 | **SLASF05B** |

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/DDC3256

**Reason for Change:**

To accurately reflect device characteristics.

**Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):**

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device

**Changes to product identification resulting from this PCN:**

None.

**Product Affected:**

| | | | |
|---|---|---|---|
| DDC3256ZWX | DDC3256GBTD | DDC3256TD | |

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.